

EXCERPTA MEDICA Sep 10 1959 - Obstetrics Jan 6

47. PHAEOCHROMOCYTOMA AND PREGNANCY - Phäochromocytom und Schwangerschaft - Szinnyai M., Káplár Z. and Szalay E. I. Frauenklin., I. Pathol. Inst., Med. Univ., Budapest - GYNAECOLOGIA (Basel) 1959, 147/2 (172-184) Graphs 1 illus. 2

Report on a fatal case of phaeochromocytoma of the right adrenal gland during pregnancy. Although the typical symptoms (marked lassitude, tingling hands, marked tachycardia, headache, swelling of the neck, nausea, dizziness, pallor, hyperhidrosis) had existed for 2 yr., and although the woman had been repeatedly examined, no correct diagnosis was made. The diagnosis was established because of a typical attack occurring after parturition. The diagnosis was confirmed by post-mortem findings. The adrenaline concentration in the tumour was 310 µg./g. Experimental administration of the extract to cats immediately caused an increase in blood pressure. During pregnancy, there are difficulties in differential diagnosis from toxæmia or eclampsia. Timely diagnosis could have saved this patient, as the contralateral adrenal gland was intact.

Heiss - Graz (X,6\*)

CSOMOR, Sandor, dr.; HUNKA, Rezső, dr.; SZINNYAI, Miklós, dr.

Changes of blood coagulation factors during x-ray therapy of carcinoma in women. *Magy radiol.* 13 no.2:93-100 Mr '61.

1. Budapesti Orvostudományi Egyetem 1. sz. Női Klinikájának közleménye (Igazgató: Horn, Béla, dr., egyet. tanár).  
(BLOOD COAGULATION radiation eff)  
(GENITALIA FEMALE neopl)

SZINNYAI, M.; CSOMOR, S.; KAPLAR, Z.

Study of blood coagulation factors in pregnancy and in the puerperium.  
Acta chir. acad. sci. hung. 3 no.4:421-428 '62.

1. I Frauenklinik (Direktor: Prof. Dr. B. Horn) der Medizinischen  
Universität, Budapest.  
(BLOOD COAGULATION FACTORS) (PREGNANCY) (PUERPERIUM)  
(PREGNANCY TOXEMIAS)

SZINNYAI, M.

HUNGARY

PAAL, Margit, Dr, CSOMOR, Sandor, Dr, DOMOTORI, Jeno, Dr, SZINNYAI, Miklos, Dr; Medical University of Budapest, I. Gynecological Clinic (Budapesti Orvostudományi Egyetem, I. sz. Női Klinika) (Director: HORN, Bela, Dr, professor).

"Changes of the Transaminase (SGOT) Activity of Women Suffering from Carcinoma During Radiation Treatment."

Budapest, Magyar Radiologia, Vol XV, No 2, Apr 63, pages 93-98.

Abstract: [Authors' English summary modified] Determinations of SGOT activity have been carried out on women suffering from carcinoma before treatment, after surgery and on cases in an incurable stage as well as on patients with benign tumors. The majority of untreated cancer cases showed a high SGOT activity. No straight correlation between the extent of the disease and the degree of enzyme activity could be found although the highest values were found among the incurable, extremely progressive cases. No characteristic increase of enzyme activity was observed in the course of radiation treatment. 9 Western, 2 Eastern European references.

1/1

SZINNIAI, Miklos, dr.; DOMOTORI, Jeno, dr.; PAAL, Margit, dr.

Transaminase studies in the early and late pregnancy toxicoses.  
Magy. noorv. lap. 26 no.2:99-102 Mr '63.

1. Budapesti Orvostudományi Egyetem I. sz. Női Klinikájának közleménye  
(Igazgató: Horn Béla dr. egyet. tanár).  
(PREGNANCY TOXEMIAS) (ASPARTATE AMINOTRANSFERASE)  
(BLOOD CHEMICAL ANALYSIS)

CSOMOR, Sandor, dr.; HUNKA, Rezso, dr.; NEMETH, Ferenc, dr.;  
SZINNYAI, Miklos, dr.

On the significance of pulmonary tuberculosis in pregnancy.  
Tuberkulozis 16 no.8:246-248 Ag '63.

1. A Budapesti Orvostudományi Egyetem I sz. Noi klinikájának  
(igazgató: Horn Bela dr. egyetemi tanár) közleménye.  
(PREGNANCY COMPL., INFECTIOUS)  
(TUBERCULOSIS, PULMONARY)  
(STATISTICS) (BIRTH CONTROL)  
(COMMUNICABLE DISEASE CONTROL)

DOMOTORI, Jeno, dr.; CSOMOR, Sandor, dr.; PAAL Margit, dr.; SZINYAI,  
Miklos, dr.

Some relations of serum glutamic-oxaloacetic transaminase to  
the pathology of pregnancy. Orv. hetil. 105 no.19:828-830  
3 My'64

1. Budapesti Orvostudományi Egyetem, I. Noi Klinika.

\*

HORN, Bela, dr.; SZINNYEI<sup>A</sup>, Miklos, dr.; PAAL, Margit, dr.

Our experiences with surgical operations performed on aged female patients. Orv. hetil. 105 no.27:1255-1259 5 J1'64

1. Budapesti Orvostudományi Egyetem, I. Női Klinika (Igazgató: Horn, Bela dr.)



HUNGARY

HEGYI, Jozsef, Dr., and SZINNYAI, Miklos, Dr., of First Clinic for Obstetrics at the University for Medical Sciences (Orvostudományi Egyetem, I. Noi Klinika) in Budapest (Director: HORN, Bela, Dr.).

"Experiences in the Surgical Treatment of a Patient Suffering from Addison Disease."

Budapest, Orvosi Hetilap, Vol 107, No 28, 10 Jul 1966, pp 1325-1326.

Abstract: The authors describe the case of a 30-year-old woman with Addison disease who has been treated surgically. The preparations prior to surgery, the anesthetic procedures, and post-operative operations were discussed. These procedures were planned with the patient's debilitated condition, caused by preliminary treatment, in mind. Cortisone is effective in combating surgical stress in hypoadreniac patients; in addition, the administration of vitamin C and broad-spectrum antibiotics at appropriate stages of the therapy is also recommended. 16 references, including 7 Hungarian, 1 German, and 8 Western.

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SEINNYEI, G.

TECHNOLOGY

Periodical: EPISZEMEZET Vol. 8, no. 1, 1959.

SEINNYEI, G. Air-conditioning apparatus, at 0° C temperature. p. 8.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 5,  
May 1959, Unclass.

SZINTE, Zoltan

Transportation and loading in the construction industry. Technika  
8 no. 4:6-7 Ap '64.

SZICZKA, Bronislaw, dr

Zinc metallurgy after the partition of Upper Silesia in 1922.  
Hutnik 31 no.12:375-378 il 164.

SZIOZIGURI, A. A.

A

F

832. UTILIZATION OF AIR LEAKAGE FOR IMPROVING THE PERFORMANCE OF AXIAL BLOWERS. Szioziguri, A. A. (Ugol (Coal), Nov. 1961, 33-35). It is shown by calculation that mine ventilation can sometimes be improved by making an additional air inlet into the ducting close to the suction side of the blower, and so working on a more favourable part of the characteristic curve of the blower. (L).

SZIRA, Bela, dr.

~~szira, Bela, dr.~~  
Rare injury of urethra and bladder. Magy. sebeszet 7 no.5:  
378-379 Oct 54.

1. Az Istvan -korhaz urológiai sebeszeti osztalyanak kozlemenye.  
Forvos: Hencz Laszlo dr.

(WOUNDS AND INJURIES

bladder & urethra, plastic reconstruction)

(BLADDER, wds. & inj.

plastic surg.)

(URETHRA, wds. & inj.

plastic surg.)

SZIRA, Tamas, dr.

Situation of tool shops in the machine industry. Sep 15  
no.6:227-230 Je '63.

$S_2, K \neq K_1, E.$ 

P U N D R

108 Investigating the creasing of fabrics A novel  
gyűrődés, összehajlás H. Székely (Hungary) Textile  
Magyar Textiltechnika 1958, No. 8 pp. 441-445 G.  
[no. 1 table]

These tests for fabrics can be divided into two categories: (1) for determining elasticity and (2) for determining the thickness and elasticity of fabrics. Tests in category (1) are made by an apparatus which holds the fabric to the stretcher under a load for 2 min and then releases the fabric to the stretcher. After 10 min the specimen is held. The potential difference  $\epsilon$  and the deformation  $\Delta l$  are studied. A value for the elasticity index. Another important index is the quality factor of the stretching. This is the relation of the raising of the fabric to a nonstretching fabric and is not used to describe the product. It is seen that the values of 444 tests of these two categories are in the same order of magnitude as the deformation of the fabric. The deformation of the fabric is seen from the value of the elasticity index. The fabric is placed between two plates, a stationary and rot. which is perpendicular to the stationary. The rot. plate is connected to a motor driven counter to give a value. The counter also has the work required to be deformation. The motor is not to be reversed, the rot. plate is not to be back by the fabric, whether the motor is not to be reversed.



SZIRAKI, B.

Experiences concerning the examination of wrinkling of clothing materials. p.455.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszaki es Tudomanyos Egvesulet)  
Budapest, Hungary. Vol. 11, no. 11, Nov. 1959.

Monthly List of East European Accessions. (EEAI) LG Vol. 9, no. 2,  
Feb. 1960 Uncl.

SZIRAKI, Bela

Thermal properties of textile fabrics and their measuring methods.  
Magy textil 13 no.9:366-372 S '61.

SZIRAKI, Jozsef, dr.

Protective earthing in the construction industry. Magyar ipar  
12 no.1:41-44 '63.

SZIRAKI, Jozsef, dr.

Energetistic and financial aspects of the power factor of  
electric propulsion. Magy ep ipar 12 no.10:473-478 '63.

BODNAR, Lorand, dr.; SZIRAKI, Laszlo, dr.

Fetal developmental disorders in our hospital and county.  
Orv. hetil. 106 no.21:987-991 23 My '65.

1. Szabolcs-Szatmar Megyei Tanacs Korhaza, Nyiregyhaza,  
Szuleszet- Nogyyogyaszati Osztaly (foorvos: Gyongyossy,  
Andor, dr.).

SZIRAKI, Marton

Effect of concentrated mechanization on the production organization and production technology. Magy textil 13 no.12:527-532 D '61.

1. Ruhaiipari Igazgatosag fomernoke.

DZIKUNI, L. TAN

Distr: 4E3c/4E3d

19

70. The first Hungarian nuclear reactor. D. Du. Gy.  
K. Nagy, M. Murányi, P. Marton, Z. Sziróki  
K. Bukó. Magyar Építőműv., Vol. 7, 1958, No. 3, pp. 60-68,  
3 figs.

The edifice containing the reactor is T-shaped and situated in the centre of the experimental plant with the secondary buildings (cooling tower, ventilating engine room, transformer station etc.) built around it. The 60 m long, 5-storey transversal part accommodates the laboratories, the power distribution room, the room containing switchgears for dosimetric instruments, the switchboards for plant control, the research workers' studies. The stem of the T is constituted by the 30 x 21.5 m base, 23 m high two-storey reactor room incorporating the 7 m dia., 12 m high bulk of the reactor and the experiment chambers requiring a higher degree of protection against radiation. This protection was ensured by a 2.5 m thick "heavy" concrete (weighing 3.2-4.6 t per cu.m, containing hematite, limonite and iron scrap as aggregates) wall directly around the reactor and a 1 m thick wall between the reactor room and the laboratories. The required jointless continuity of the floors is ensured in general by rubber flooring and, in rooms subject to heavy contamination, by stainless steel sheeting. The installation of the numerous pipelines (for various types of sewage, water supply, gas, ventilation etc.) which had to be perfectly sealed and yet be conveniently serviced and supervised constituted a special problem.

JW  
YI

Rmf

SZIRAKI, Zoltan

Distr: 1.530/1.53d

71. The mechanical equipment of the experimental nuclear reactor at Csilléber. Z. Sziraki, M. Murányi. *Építésgépészet*, Vol. 7, 1958, No. 3, pp. 82-89, 5 figs., 1 tab.

The first Hungarian nuclear reactor under construction at Csilléber is an experimental pile and not an atomic power plant. It is being built for the purposes of nuclear and biological research and the production of radioactive isotopes, it will not generate electric power. The overall requirements for industrial water are 40,000 l per hour. Hot water is delivered to the washrooms, showers etc. of the main building, boiler plant and laboratories and the washing equipment of the "hot" chambers. Distilled water for the primary circuit is supplied by four electric distillers, each of 60 l per hour capacity, and two pressure tanks. Separate sewage systems are provided for rain water, for sewage from the lavatories etc., for laboratory (acid) and for radioactive waste waters. Compressed air is supplied at 4 atm gauge pressure by two compressors of 69.5 cu.m drawn-in air capacity each. The primary circuit dissipates the heat of the fuel elements, it has a turnover of 900-1000 cu. m per hour. The secondary circuit cools to 34°C the 30°C distilled water circulating in the primary circuit. The 3% acid solution for washing the internal surfaces of the "hot" chambers and the conveyors inside them is prepared and delivered by a special equipment. Dosimetric checking apparatuses, automatic checking and signalling equipment for controlling the main and auxiliary equipments in the main building, in the two sewage tanks and in the ventilating plant are some of the special equipment.

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1.112



SZIRAKI, Zoltan, dr.

Society news. Villamosag 8 no.5/6:178-179 My-Je '60.

SZIRAKI, Zoltan, Dr., ~~okl.~~gépészmernok

The most important problems of technical development of  
electric installations in industrial plants and tasks  
for the ~~manufacturing industry~~ related to this. Villamosag  
9 no.1/3:35-42 Ja-Mr '61.

1. Az E.M. Muszaki Fejlesztési Főosztálynak főmérnöke.

SZIRAKI, Zoltan, dr.

"Electroacoustics" by Emil Lamoth. Reviewed by Dr. Zoltan Sziraki. Villamosság 10 no.5:153 My '62.

1. "Villamosság" szerkeszto bizottsagi tagja.

SZIRAKI, Zoltan, dr.

An account of the 1962 work of the Division of Electric Power Consumption Devices. Villamossag 11 no.2:54-56 F '63.

1. Villamos Fogyasztóberendezések Szakosztályának elnöke.

SZIRAKI, Zoltan, dr., okleveles gépészmérnök

Artificial illumination of industrial buildings and open-air work places on the ground of the new recommendation by the Council for Mutual Economic Assistance. Villamosseg 11 no.7:200-208 J1 '63.

1. "Villamosseg" szerkeszto bizottsagi tagja.

SZIRAKI, Zoltan, dr inz.

Electric installations in buildings constructed by industrial  
methods. Wiad elektrotechn 33 no.9:258-263 S\*64

1. Head of Laboratory of Building Design Office, Budapest.

SEIRAFY, M.; ABERMANN, L.

Durability of edges of cutting for tools for cold-cutting without chipping.  
I. (To be contd.) p.186. GEP. Budapest. Vol. 8, no. 5, May 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress  
Vol. 5, No. 12, December 1956

SZIRAKY, M.; ABERMANN, L.

Report on the committee meeting of the Scientific Association of the Machine industry. p.191. GEP. Budapest. Vol. 8, no. 5, May 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress  
Vol. 15, No. 12, December 1956



SZIRAKY, M.

"New tool materials for drawing dies; also, remarks by J. Hegedus." p. 149

GEF. (Gepipari Tudományos Egyesület). Budapest, Hungary.  
Vol. 11, No. 4, Apr. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959  
Uncla.

SZIRAKY, Miklos

Device for manual upsetting and drawing of sheets. Gepyartastechn 1  
no.5:189-190 Ag '61.

Practical way of making stamping tools. Ibid.:192

1. "Gepgyartastechnologia" szerkeszto bizottsagi tagja.

SZIRAKY, Miklos

"Rational basic principles for the selection of drill feed"  
by J. Kaczmarek. Reviewed by Miklos Sziraky. Gepgyartastechn  
2 no.8:314-315 Ag '62.

1. "Gepgyartastechnologia" szerkeszto bizottsagi tagja.

SZIRAKY, Miklos; SZOMBATFALVY, Arpad, dr.

Testing eccentric presses. Gepgyartastechn 2 no.10:367-371  
0 '62.

1. Vasipari Kutato Intezet.
- 2."Gepgyartastechnologia" szerkeszto bizottsagi tagja  
(for Sziraky.).

NOVOTNY, Josef, ing.; SZIRAKY, Mikos [translator]

Some new cold-pressing methods. Gepgyartastechn 3 no.6:215-219  
Je '63.

1. Brnci Keplekeny Alakitasi Intezet, Csehszlovakia (for Novotny).
2. "Gepgyartastechnologia" szerkeszto bizottsagi tagja (for Sziraky).

LANG, M.; SZIRAKY, Miklos [translator]

Preparation of the design of deep-drawing tools for asymmetric workpieces. Gepgyartastechn 3 no.6:225-235 Je'63.

1. Szerszámgepipari Intezet, Karl-Marx-Stadt (for Lang).
2. "Gepgyartastechnologia" szerkeszto bizottsagi Tagja (for Sziraky).

SZIRAKY, Z.

Destruction of bacteria and sterilization with ultraviolet rays.  
p.10. EPULETGEPESET. Budapest. Vol. 5, no. 1/2, 1956.

SOURCE: East European Accessions List (EWAL), Library of Congress  
Vol. 5, No. 12, December 1956

SZIRAKY, Z.

SZIRAKY, Z. What does the building industry expect from the high-voltage electric industry? p. 89

Vol. 49, no. 3, March 1956

ELEKTROTECHNIKA

TECHNOLOGY

Budapest, Hungary

SO: East European Accession Vol. 6, no. 3, March 1957



SZIRANYI, Zoltan

Questions relating to the installations of laboratories. Magyar  
ipar 11 no.7:305-306 '62.

SZIRILICH, Lajos.

Use of the infrasec radiator in ophthalmological practice.  
Szemeszet 9 no.4:172-175 Dec 55.

(INFRARED RAYS, ther. use  
improved infrared lamp in eyelid dis., thermal eff.  
(Hun))  
(EYELIDS, dis.  
ther., infrared rays, thermal eff. (Hun))

SZIRMAI E., LORAND S., CSIZMADIA Z.

A B<sub>1</sub>-vitamin hatása a szülési fájdalomra és a fajástevekenységre.  
/Effect of vitamin B<sub>1</sub> on labor pains and activity/ Orv. hetil.,  
Budap. 92:25 24 June 51 p. 788-92.

1. Doctors Lorand and Szirmai; Departmental Assistant Csizmadia.  
GMA Vol. 20, No. 10 Oct 1951

SZIRMAI, E.

Prothrombin level in the menstrual cycle, and the correlation of age to the menstrual blood volume and duration of menstruation. Orv. hetil., Budap. 92 no. 45:1456-1459 11 Nov. 1951.(CLML 21:3)

1. Doctor. 2. Obstetrical Department, Veszprem Municipal County Hospital.

BODNAR, I.; SZIRMAI, E.; NEMETI, S.; BERTA, I.; SZUCS, G.; ARVAY, S.

Evaluation of our analgesic procedures in labor pain. Magyar orv. lap. 15 no. 11:324-327 Nov 1952. (CIML 23:5)

1. Doctors. 2. Obstetric and Gynecological Clinic (Director -- Prof. Dr. Sandor Arvay), Debrecen Medical University.

ARVAY, S.; NAGY, J.; SZIRMAI, E.

Effect of the hormonal environment on the function and structure  
of the uterus. Magy. noorv. lap. 15 no. 12:359-368 Dec 1952.

(CJML 24:1)

1. Doctors. 2. Obstetric and Gynecologic Clinic (Director -- Prof.  
Dr. Sandor Arvay) and Institute of Forensic Medicine (Director --  
Prof. Dr. Sandor Okros) of Debrecen Medical University,

SURANYI, S.; SZIRMAI, E.

Experiences with histaminazoprotein in treatment of pregnancy toxico-  
ses. Orv. hetil. 93 no. 46:1311-1312 16 Nov. 1952. (CIML 24:1)

1. Doctors. 2. Obstetric and Gynecological Clinic (Director -- Prof.  
Dr. Sandor Arvay), Debrecen Medical University.

SZIRMAI, E.

Chemical Abst.  
Vol. 48 No. 6  
Mar. 25, 1954  
Biological Chemistry

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Heparin of blood during the treatment of acute or sub-acute inflammations of adnexa and parametrium. E. Szirmai (Univ. Debrecen, Hungary) and E. Hajos. // *Progr. Med.* 9:430-3 (1953). In 24 cases of acute adnexitis and 30 cases of sub-acute adnexo-parametritis higher values of blood heparin and lower ones of prothrombin, both normalizing with recovery, were observed. C. Scandura

RH  
9-15-54



SZIRMAI E.

Excerpta Medica Sec 16 Cancer Vol. 2/6 June 54

2858. SZIRMAI E. and BAJUSZ E. Staatl. onkol. Inst., Gesundh.-min. Ungarn, Budapest. An Stelle der ausgeheilten Portio-Tuberkulose aufgetretenes Carcinoma *Carcinoma of the cervix at the previous site of tb* Z. ärztl. Fortbild. 1953, 47/16 (574-575) Illus. 2

SZIRMAI, E.

✓ 2232. New instruments for registration of biophysical conditions relative to muscles, Szirmai's myotonometer and myotonograph. E. Szirmai *Yokohama med. Bull.*, 1954, 5, 419—422 (Central Lab., Arpad Hosp., Budapest, Hungary).—A myotonometer and myotonograph are described which can be used to measure the tonus and functional capacity of normal and injured muscles so that the degree of muscle injury and the results of treatment can be assessed. They are based on measuring the resistance of muscles to external pressure. A. ACKROYD.

SZILGAI, E.

Trials for chemical detection of gonadotropins. Zschr. Vitamin &  
Forsch. 6 no.1:48-49 1954. (CML 26:5)

1. Budapest.

Szirmay, E.

BAJUSZ, E.; SZIRMAI, E.

Antigonadotropins and renal function. Zschr. Vitamin &c. Forsch.  
6 no.2-3:104-7 1954 (CML 27:2)

1. Of the Laboratory (Director--Oy.Palocz,M.D.) in Budapest IV.  
and of the Laboratory (Head--Docent T.Bakacs) in Budapest XII of  
the Institute of Postgraduate Medical Training and Specialization.

EXCERPTA MEDICA Sec.10 Vol.8/7 Obstetrics July 55

1349. SZIRMAI E. Budapest. \* Unsere Beobachtungen in den Blutkoagulationsbeziehungen des karzinomatösen Organismus. Parahämophilische Fälle. Personal observations on the blood coagulation in cases of cancer. Cases of parahaemophilia ZBL. GYNÄK. 1954, 76/7 (275-280) Tables 2

The examination of the blood coagulation in 286 cases of uterine carcinoma revealed that in 231 cases hypoprothrombinaemia was present; however, closer examination revealed that in 13 of these cases not the prothrombin but factor V was decreased. These cases of 'parahaemophilia' showed a mild form of haemorrhagic diathesis.

Martin - Frankfurt/Main (VI, 10, 16)

See 10 Vol. 4, 1955, 49.4 (117-121) Graphs 4

17. SZIRMAI E. Madách-ut 2. IV.1, Budapest. \* Die Beziehungen zwischen Schmerzreiz und Blutgerinnung während der Geburt. The relationships between pain stimulation and blood coagulation during labour. Z. ARZTL. FORTBILD. 1955, 49.4 (117-121) Graphs 4

Examinations were carried out in pregnant and non-pregnant dogs, in pregnant and non-pregnant women, and in parturient patients. The thrombin formation caused by operation and labour is related to the activators brought about by the action of the pain stimulus. The reactivity of the sympathetic nervous system plays a role in the increase of these activators in the blood. Psychoprophylaxis before labour and before operation and complete abolition of pain during operation and labour considerably promotes the prevention of thrombo-embolism.

Navratil - Graz

SZIRMAI, ENDRE

HUNG

Experimental studies on the relationship of female hormones and blood coagulation. Endre Szirmai (Árpád and Károlyi Hosp., Budapest). *Folia Haematol.* 73, 80-92 (1955).—In both immature and mature animals, large doses of the hormones which influence the female genitalia were studied as to effect on blood coagulation. The follicular hormones slowed coagulation in several cases. Lutein and gonadotropin had an accelerating action on coagulation. 55 references. John T. Myers

SZIRMAI, E.

Vital staining of white blood cells with TTC (2,3,5-tri-phenyltetrazolium chloride). E. Bajusz and E. Szirmai (Gerinnungsphysiol. u. prakt. Muskeluntersuchungs-Lab., Budapest). *Folia Haematol.* 73, 248-50(1955).—TTC can be used to demonstrate oxidation-reduction processes in leucocytes, and can be helpful in studying intracellular enzyme problems in phagocytosis. It is not satisfactory for studying oxidation-reduction potentials in erythrocytes.  
John T. Myers



SZIRMAI, E.

New procedure in determination of capillary resistance and fragility with Szirmai myograph. Acta med. iugosl. 10 no.3: 289-298 1956.

1. Gerinnungsphysiologisches und praktisches Muskeluntersuchungs.  
Laboratorium in Budapest, Ungarn.

(CAPILLARIES, physiol.

resistance & fragility determ. with Szirmai myograph  
(Ser))

EXCERPTA MEDICA Sec.2 Vol.10/6 Phy.Biochem. June 57

2606. SZIRMAI E. and BAJUSZ E. Gerinnungsphysiol. und Muskeluntersuchungs-  
Lab., Budapest. \*Funktionsphysiologische Messungen an menschlichen  
quergestreiften Skelettmuskeln mit dem Szirmaischen Myotonometer und  
Myograph. Functional measurements on human striated  
muscles with the Szirmai myotonometer and myograph  
ARZTL. FORSCH. 1956, 10/10 (493-501) Graphs 7 Tables 1 Illus. 6  
The instrument, designed by one of the authors (E. Szirmai), essentially measures vol-

SZIRMAI, E.

✓ Passage of clotting factor between mother and fetus  
E Szirmai, "The ..."

EXCERPTA MEDICA Sec 6 Vol 13/4 Internal Med. Apr 59

1860. EFFECT ON VARIOUS DISEASE PICTURES, AND THE REDUCTION OF PAIN, BY IMPROVEMENT OF THE CIRCULATION WITH MILD MUSCLE MASSAGE. Beeinflussung verschiedener Krankheitsbilder und Linderung der Schmerzempfindung durch Verbesserung der Zirkulation, hervorgerufen durch milde Massage der Körpermuskeln - Szirmai E. Gerinnungsphysiol. und Praktisches Muskeluntersuchungs-Lab., Budapest - ARCH. PHYS. THER. (Lpz.) 1957, 9/6 (481-492) Graphs 15

Report on the problem of pain in relation to tissue hypoxaemia and anoxaemia. By improvement of the circulation through mild massage, various disease pictures can be influenced and the pain reduced. (XIX, 6)

EXCERPTA MEDICA Sec.19 Vol.1/10 Cardiovascular Oct 57  
SZIRMAI E.

2713. SZIRMAI E. 'Heacrin' nowy lek w leczeniu obwodowych zaburzeń krążenia i miażdżycy naczyń (z uwzględnieniem stanów poudarowych) 'Heacrin', a new remedy for treatment of peripheral circulatory disturbances and in arteriosclerosis Przegl. lek. 1957, 13/5 (129—132) Tables 2

HAH (heacrin) represents the mixture of plasma protein thermostable accelerator, of  $\beta$ -mucoitin-sulphuric acid ester and of amino-ethyl-imidazole. HAH is administered intra- or subcutaneously in fractionated doses (individual doses change relatively to patient's arterial tension and general action). HAH was given in 389 cases as a vasodilating agent. Among these were cases of inflammatory character (endangiitis obliterans, thrombophlebitis) 145; cases of degenerative type (angiosclerosis) 82; cases of vascular dystonia (neurosis vasomotorica, digitus mortuus, Raynaud's disease) 30; patients with post-thrombotic or post-embolic symptoms 126 and cases of Volkmann's contracture 6. The treatment with HAH resulted in clinical recovery in 300 cases, improvement in 81, and no improvement in 8 cases. HAH decreases the arterial hypertension (often to normal values) and has a beneficial influence upon post-apoplectic disturbances. The recovery or improvement was evaluated not only by anamnesis and physical examinations but also by aid of the oscillometer and of myotonometer and myograph, both invented by Szirmai.

Mikulowski - Cracow (XVIII, 2, 6\*)

SZIRMAI, Endre, Dr.

New schemes of blood coagulation and hemorrhagic diathesis.  
Lijec. vjes. 79 1-2:58-62 Jan-Feb 57.

1. Iz Fizioloskog laboratorija za zgrusavanje krvi i prakticnu  
miologiju u Budimpesti.

(BLOOD COAGULATION,

inhibiting & activating factors (Ser))

(HEMORRHAGIC DIATHESIS, etiol. & pathogen.

in relation to blood coagulation disord. (Ser))

EXCERPTA MEDICA Sec 2 Vol 13/5 Physiology May 60

2247. A NEW STOMATOLOGICAL PROCEDURE; MYOLOGICAL EVALUATION OF FUNCTION OF THE MUSCLES OF MASTICATION WITH THE SZIRMAI MYOTONOMETER - Neues stomatologisches Verfahren: Myologische Bestimmung der Funktion der Kaumuskulatur bzw. des M. masseters mit dem Szirmalachen myotonometer - Szirmai E. and Koczocik-Przedpelska J. Lab. für Gerinnungsphysiol. und Praktische Myol., Budapest - ACTA MED. OKAYAMA 1958, 12/3 (241-253) Tables 9 Illus. 3

By means of Szirmai's myotonometer, the tone and contraction of the mastication muscles were determined in 100 human subjects. The method has diagnostic value in stomatology, dental prosthesis and orthodontics, and also permits the diagnosis of atrophy of the mastication muscles, of habitual mandibular luxation, and of some inflammatory diseases such as parotitis which gives rise to increased tone of the mastication muscles.

Waterman - Amsterdam

2248. SALIVARY

SZIRMAI E.

EXCERPTA MEDICA Sec 19 Vol 2/6 Rehabilitation June 59

1228. The treatment of various diseases and the suppression of pain by improvement of the peripheral circulation, in the first place by the intracutaneous application of drugs Behandlung verschiedener Krankheitsbilder und Linderung der Schmerzempfindung durch Verbesserung der Zirkulation, in erster Linie mittels intrakutaner Medikation. SZIRMAI E. Gerinnungsphysiol. und Prakt. Muskeluntersuchungs-Lab., Budapest *Z. ges. inn. Med.* 1958, 13/4 (127-133) Graphs 17

The author reports that in various diseases, pain can be alleviated particularly by improvement of the peripheral circulation. Results are lasting. The author had had success with a medicine of his own manufacture, Heacrin (H.A.H.), which he gives i.c., with effectiveness inversely proportional to the dosage. Results were registered with a myograph and a myotonometer of the author's own construction. Seventeen myograms are included. (XIX, 18)



SZIRMAI, E.

SIRMAI, Ye. [Szirmai, E.]; doktor meditsiny, Vengriya.

Important research. Nauka i zhizn' 25 no.4:46-50 Ap '58.  
(Budapest--Medical research) (MIRA 11:5)

GALPINDER, Henryk, A.; LISIEC, Jerzy; SYKWI, Marek; SIEKUSIA, Emil, Hubert

Effect of epsilon-aminocaproic acid on the clotting time. Acta  
physiol. Pol. 14 no.4:377-383 31-Aug '63.

1. Z Pracowni Hemostatycznej (Kierownik: doc. dr. H.A. Gaertner)  
i III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie  
(Dyrektor: prof. dr. J. Aleksandrowicz).

SZIRMAI, Geza, dr.

Infantile tuberculosis and BCG vaccination. Tuberkulozis 15 no.7:  
197-200 JI '62.

1. A Sarbogardi Tudogondozo Intezet (vezeto: Szirmai Geza dr. foorvos)  
kozlemenye.

(BCG VACCINATION statist)

Control of stone smut of wheat with copper sulfate and Bordeaux mixture. János Szirmai, Kiserlelőgyi Közle-  
mények 42, 141-52(1939).—Bordeaux mixt. seems to be  
a somewhat weaker fungicide than  $\text{CuSO}_4$  and its effect  
cannot be much increased by using more concd. solns.  
The prolonged effect may be sometimes stronger. With  
 $\text{CuSO}_4$ , prolonged action is not as effective as increase in  
concn.  $\text{CuSO}_4$  solns. of 1.2% for 15-30 min. caused  
germination losses of 0.52% in wheat. Also the germin-  
ated wheat showed many abnormalities of growth. Treat-  
ment with Bordeaux mixt. caused no losses in germination.  
S. S. de Finály

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ca

Copper sulfate and Bordeaux mixture in combating bunt of wheat. János Sármat. Kiserletügyi Közlemények 43, 43 9 (1940).—Field expts. showed that the protective action of Bordeaux mixt. is no less than that of  $\text{CuSO}_4$ .  $\text{CuSO}_4$  causes decrease in germination vigor. Bordeaux mixt. increases germination activity and harvest yields. S. S. de Finały

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

Raf 64

SZIRMAI (J.). Újabb megfigyelések a palánták szártüszelvényéről. [Recent observations on the damping-off of seedlings.]—*Meszáros. közl.*, xiv, 4, pp. 125-127, 1941. [German summary.]

Among the economic plants affected by damping-off in Hungary are potato, tomato, chilli, lettuce, tobacco, and cabbage, and investigations were conducted at the Nagybakta Agricultural Experiment Station to determine the relative importance of *Rhizoctonia* [*Corticium*] *solani* and *Pythium de Baryanum* in the etiology of the condition. *C. solani* was found to be the predominant agent of the root rot and has probably been responsible for most of the damage from this source of recent years, *P. de Baryanum*, on the other hand, being only sporadically represented.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSING AND PROPERTY NOTES																			
<p><i>AM</i></p> <p><b>SKIRMAI (J.). Ein sonderbarer Fall des Auftretens von <i>Rhizoctonia solani</i> auf der Kartoffel in Mieten.</b> [A remarkable case of the occurrence of <i>Rhizoctonia solani</i> on the Potato in pits.]—<i>Mezőgazdas. közl.</i>, xiv, pp. 291-295, 1941. [Hungarian, with German summary. Aba. in <i>Chem. Zbl.</i>, cxiii (ii), 2, p. 229, 1942.]</p> <p>Potato tubers stored in sand for the winter were found on examination at the Agricultural Research Institute, Nagybakta, Hungary, to be infected by <i>Rhizoctonia</i> [<i>Corticium</i>] <i>solani</i>, which had entered by way of the lenticels, penetrating the tissues to a depth of 1 cm. and causing up to 100 per cent. damage. It was found that the sand in the affected pits had not been renewed for four years, and its replacement by a fresh load resulted in a reduction of the injury to between 2 and 4 per cent.</p>																			
ASD-5LA DETAILING LITERATURE CLASSIFICATION																			
EXON SYMBOL										EXON SYMBOL									
EXON SYMBOL										EXON SYMBOL									

Ref 174

Hajnal (J.). Le 'brusone' du Riz et ses aspects particuliers en Hongrie. ['Brusone' of Rice and its particular aspects in Hungary.]—*Acta agron. Acad. sci. hung.*, 1, 1, pp. 160-196, 11 figs., 1960. [Russian summary.]

This is an expanded account of the author's studies on the two forms of the 'brusone' disease of rice occurring in Hungary, one associated with *Piricularia oryzae* and the other with *Pseudomonas* sp., a summary of which from another source has already appeared [*R.A.M.*, 29, p. 582].



Szirmai, J.

SZIRMAI (J.). On a variant of the root virus of seedlings.—*Mag. Tud. Akad. Agrar. Oszt. Közl.*, 1, 2, pp. 250-270, 1952. [Abs. in *Hung. Agr. Rev.* 2, 2 p. 11, 1953.]

Much of this information on the occurrence of tobacco necrosis virus in combination with *Thielaviopsis basicola* in glasshouse and seedling tobacco plants in Hungary has already been noticed from another source [*R. A. M.*, 18, p. 555]. In 1950 the combination was recorded for the first time in seedling beds in nursery gardens (tobacco) and species of *Capsicum* (peppers) in open fields. In 1952 the control of the virus is obtained by the use of the seedling method.

SZIRMAI, J.

"A new variety of root virus of seedlings." p. 275. (ACTA AGRONOMICA ACADEMIAE  
SCIENTIARUM HUNGARICAE, Vol. 2, no. 3/4, 1952, Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

SZIRMAI, J.

Spread of virus diseases among trees. p. 121.  
KOZLEMENYEI, Budapest. Vol. 8, no. 1/2, 1955.

SOURCE: EEAL Vol. 5, No. 7, July 1956.

SZIRMAI, J.

Experiences with production and use of actidione. p. 132.  
KOZLEMEYEI, Budapest. Vol. 8, no. 1/2, 1955

SOURCE: EEAL Vol. 5, No. 7, July 1956

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SZIRNAI, J

SZIRNAI, J. A new virus disease in Hungary. p. 351

Vol. 8, No. 8, Aughust 1956  
AGRARTUDOMANY  
AGRICULTURE  
Budapest

SO: EAST EUROPEAN ACCESSIONS, Vol. 6, No. 3, March 1957

~~SZIRMAT I~~

Biological defense against *Hyphantria cunea* Drury by means of viruses. Acta microb. hung. 4 no.1:31-42 1957.

1. Forschungsinstitut fur Pflanzenschutz, Budapest.

(MOTHS

*Hyphantria cunea* Drury control by polyhedral viruses (Ger))

(VIRUSES

polyhedral viruses in control of *Hyphantria cunea* Drury  
(Ger))



SZIRMAI, J.

Checking the running out of potatoes with a glass-tube test based on polyphenol-oxidase activity. Acta agronom Hung 10 no.3/4:443-454  
'60. (EEAI 10:6)

1. Forschungsinstitut fur Pflanzenschutz, Budapest.  
(Potatoes) (Phenols) (Oxidases)



SZIRMAI, Otto

Precision machining processes on surfaces by means of abrasives.  
Finommechanika 2 no.1:16-22 Ja '63.

1. Szerszámgepfészto Intezet.

SZIRMAI, Walter

Socialist brigades in research institutes. Munka 14 no.4:7 Ap '64.

1. Secretary, Budapest Trade Union Council, Hungarian Mineral Oil  
and Natural Gas Experimental Institute, Budapest.

1-2007-05 E.O.(S)/D.T.(M)

ACCESSION NR: AP5014276

HU/0021/64/000/006/0342/0345

10

AUTHOR: Korecz, K. (Koreta, K.)(Doctor); Szirmak, E. (Sirmak, E.)(Doctor) B

TITLE: Effect of beta-radiation on the metabolism of the cornea

SOURCE: Magyar radiologia, no. 6, 1964, 342-345

TOPIC TAGS: beta particle, ophthalmology, experiment animal, biologic metabolism

ABSTRACT: (Authors' English summary modified) The oxygen utilization and glycolytic activity of the in-vivo irradiated ( $Sr^{90}$ ) cornea of rabbits have been studied using Warburg's direct method. Determinations were made on both eyes of 40 rabbits. As compared with the eyes of controls, 6 weeks after local administration of 1000-3000 rep beta doses, no differences were encountered. Following administration of 5000 rep, both the oxygen consumption and anaerobic glycolysis has decreased. Orig. art. has 2 figures and 2 tables.

ASSOCIATION: Peterfy Sandor Utcai Korhaz-Rendelointezet Szemeszeti Osztalya  
(Ophthalmological Section, Peterfy Sandor Street Hospital-Ambulant Service)

Card 1/2

L 45047-65

ACCESSION NR: AP5014276

SUBMITTED: 00

ENCL: 00

SUB CODE: LS, NP

NO REF SOV: 002

OTHER: 016

JPRS

Card 2/2 *mg*

SZIRMAK, Ferenc, dr.

Esthetic aspects of diastemic frontal bridges. Fogorv. szemle  
59 no. 2:38-41 F ' 66.

1. Kozlemenyi a Budapesti Orvostudományi Egyetem Fogpotlastani  
Klinikajáról (igazgató: Molnar, Laszlo, dr. egyetemi tanar).

SZIRMAK, G.; HORVATH, B.

Hydargin therapy in late pregnancy toxemia. *Magy. Noorv. lap.* 14  
no.10:315-316 Oct 1951. (CJML 21:2)

1. Doctor. 2. Obstetrical-Gynecological Department (Head Physician --  
Dr. Kalman Lehoczky-Semmelweis), Kekgolyo-utcai State Hospital (Director  
-- Dr. Gabor Ferencz), Budapest.

SZIRMAK, Gabor, dr.; HORVATH, Boldizsar, dr.

~~Hydriergin~~  
Hydriergin treatment of toxicosis in late pregnancy. *Magy. noorv.*  
lap. 17 no.5:257-264 Sept 54.

1. A volt budapesti kekgolyoutcai allami kornhaz, a Magyar  
Nephadsereg Eggeszsegugyi Szolgalatanak es a fovarosi bakacsteri  
allami kornhaz (Igazgato: Ferencz Gabor dr.) szulonobeteg osztal-  
yanak (Foorvos: Lehoczky-Sammelweis Kalman dr.) kozlemenye.

(PREGNANCY TOXEMIAS therapy

dihydrogenated ergot alkaloids)

(ERGOT ALKALOIDS, ther. use

dihydrogenated deriv. in pregn. toxemias)

PLENCZNER, Sandor, Dr.; SZIRMAY, Gyorgy, Dr.

Blood pressure studies in puberty. Orv. hetil. 99 no.11:383-385  
16 Mar 58.

1. A Budapesti Varosi Tanacs Kozponti Iskolai Szivbeteggondozo Intezet  
(igazgato-foorvos: Plenczner Sandor dr.) es a Kozponti Iskolaszakorvosi  
Rendelo (vezeto-foorvos: Veghne, Antal Etelka dr.) kozlemenye.

(BLOOD PRESSURE

in puberty in menstruating & non-menstruating girls (Hun))

(PUBERTY

blood pressure in puberty in menstruating & non-menstruating  
girls (Hun))

(MENSTRUATION, physiol.

same)



GYURKO, Istvan; MARGITTAI, Laszlo; SZIRTES, Bela; SZIRTES, Lajos

Optimal size and settlement of large-scale agricultural plants.  
Pecsi musz szeml 6 no.4:1-4 O-D '61.

SZIRTES, Gyula, dr.

Care for the nervous patient. Orv. hetil. 96 no.39:1084-1086  
25 Sept 55

1. A Budapesti Fovarosi Tanacz Ideggondozo Intezetének kozlemenye.  
(NERVOUS SYSTEM, diseases,  
med. care)

SZIRTES, Gyula, dr.

Report on the activities of mental clinics in 1954.  
Nepegeszsegugy 37 no.1:21-25 Jan 56

1. Budapest Varosi Tanacs (vezeto: Vikol Janos dr.varosi vezeto  
foorvos) I deggondezo Intezeteinek (vezeto: Szirtes Gyula dr.  
igazgato-foorvos) kozlemenye)

(CLINICS

ment., report on activities in Hungary in 1954, statist.  
(Hun))

(MENTAL DISORDERS, ther.

ment. clinics in Hungary, report on activities in 1954  
statist. (Hun))

SZIRTES, Gyula, dr.

Rehabilitation of mental patients. Orv. hetil. 98 no.5-6:  
129-131 10 Feb 57.

(MENTAL DISORDERS, ther.  
rehabil., in Hungary (Hun))

SZIRTES, Gyula, Dr.

Alcoholism. Nepegeszsegugy 39 no.3-4:96-99 Mar-Apr 58.

1. Kozlemenye a Budapest varosi tanacs (varosi vezeto foorvos:  
Vikol Janos dr.) Ideggondozo Intezeteibol (Igazgato-foorvos: Szirtes  
Gyula dr.)

(ALCOHOLISM, prev. & control  
in Hungary (Hun))

SZIRTES, G.

Treatment of mental patients in Poland within the framework of  
the hospital psychiatric unit. Ideggyogy, szemle 17 no.1:30-32  
Ja'64.

\*

STERN, J.

Problem of regulating diesel engines of vehicles. p. 123.  
(JARIJVEK MEZOGAZDASAGI GEPEK. Vol. 2, no. 4, Apr. 1955. Budapest.)

SO: Monthly List of East European Accession. (SEAL). Lc. Vol 1: Nov. 11 Nov. 1955 Uncl.

SZIRTES, J.

Farm management aspect of young cattle breeding. p. 14.

(Allami Gazdasag. Vol. 9, no. 7, July 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.



SZIRTES, Lajos

Correlation between silicosis and the rocks of the Pecs coal mines;  
excerpts from a lecture. Musz elet 15 no.7:14 Mr '60. (KEAI 9:7)  
(Hungary--Coal mines and mining)  
(Hungary--Silicosis)

SZIRTES, Lajos, okleveles bányamérnök

Correlation between the occurrence of silicosis and the properties of rocks in the Pécs coal mines. Bányalap 93 no.1: 12-15 Ja '60.

1. Pécsi Szénbányászati Tüszeti Kutatási Osztálya, Pécs.

SZIRTES, Lajos, okleveles bányamernok, kandidatus

New possibilities for the prevention of gas outbursts in  
the coal industry of Pecs. Bany lap 93 no. 10:660-675  
0 '60.

1. Pecs Szebanyaszati Troszt Kutatasi Osztalya vezetoje,  
Pecs.

SZIRTES, Lajos, okl. banyamernok

New possibilities for preventing the dangers of gas outburst in the coal mines of Pecs. Bany lap 93 no. 11:754-764 N 60.

1. Aspirans, Kutatasi Osztaly vezetoje, Pecs Szénbányászati Troszt, Pecs.